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THE PERSIAN (ARABIAN) GULF AND GULF OF OMAN

AN ANNOTATED BIBLIOGRAPHY FOR THE YEARS 1859-1965

Compiled by

R. Paldi

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Rome, June 1968

The English name of this Gulf is currently in dispute. The form of title of the present bibliography does not imply endorsement by FAO of any particular name; the title of entries are of course quoted as printed on the publication, and the reader should consult appropriate hydrographic charts, and particularly official publications of the IHB, the international authority on such matters regarding usage.

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Amodeo, G. (1954) 001
Majallat Al-Ziraat al - Iraquiyyah, 9(3-4):480-4
Fishing in the Persian Gulf (In Arabic)

Annadale, N. (1907) 002
Ind.Mus.Rec., 1:81
Two barnacles new to Indian seas

Annadale, N. (1907) 003
Ind.Mus.Rec., 1:176
An enemy of certain pearl oysters in the Persian Gulf

Annadale, N. (1919) 004
Ind.Mus.Rec., 18(1):65-78
Notes on fishes of the genus Discoganthus from India and Persia

Arambourg, C. (1939) 005
C.r.hebd.Séanc.Acad.Sci., Paris, 209(24):898-9
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Barlow, E.W. (1932) 006
Mar.Obsr, 9(99):58-60
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An account is given of currents as they were known, based on published information and old charts, before the present investigation.

Barlow, E.W. (1932) 007
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Examines information derived from new charts. The charts show the general flow of main currents during the 2 monsoon seasons, as well as areas for calculating mean current.

Barlow, E.W. (1932) 008
Mar.Obsr, 9(108):223-7
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Information derived from new charts.

Bell, F.J. (1904) 009
Ann.Mag.nat.Hist.(7), 13:236-7
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Berg, L.S. (1913) 010
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On a new species of Garra (Discognathus) from eastern Persia

Bezrukov, P.L. (1961) 011
Okeanologiia, 1(4):745-54
Issledovaniia Indiiskogo okeana v 33m reise e/s VITIAZ (The study of the Indian Ocean by VITIAZ during its 33rd cruise)

The operations of the VITIAZ and other Soviet ships are briefly outlined. The distribution of salinity carried from the Red Sea, Aden, and Persian and Oman Gulfs to the fresh water current of the Bay of Bengal, Andaman Sea, northeastern part of the ocean and Antarctic waters is presented. A large amount of data was collected on the chemical structure of ocean waters.

Biggs, H.E.J. (1958) 012
J.Conch., 24:249
A new species of Siphonaria from the Persian Gulf

Blegvad, H. (d.n.) 013
In Rapport sur les recherches de pêche effectuées au Golf Persique pendant l'hiver 1936-37

*) See back of title page.

At present, fishing in the Persian Gulf is effected in small open unmechanized craft with hooks, primitive pots, driftnets or dragnets. Due to the small size of boats fishermen cannot operate in distant waters. In most cases fish is sold fresh and prices compare unfavourably with European rates. Export is very limited. List shows first and second class food fishes and non-edible fishes. Map indicates position of fishing stations with average yield per station. Fish resources in Persian Gulf are rich but insufficiently exploited. In general, richest catches are in outer area of the Gulf where sardines and shrimp (especially suitable for canning) are found. Larger size fishes are present in the inner part of the Gulf. Fisheries should be modernized, canneries established and exports developed. Proposals are included.

Blegvad, H. and B. Løppenthin (1944) 014
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An important monograph describing 216 species of fishes caught in the Persian Gulf.

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Peridineen aus dem Persischen Golf und dem Golf von Oman

Bolster, H.G. (1948) 016
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Fish of the Persian and Oman Gulfs

Bonnier, J. and C. Perez (1903) 017
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Sur un mode nouveau de constitution de la chaine, chez une salpe nouvelle du Golfe Persique (Stephanosalpa polyzona)

Boulenger, G.A. (1897) 018
Ann.Mag.nat.Hist.(6), 20:420-2
Description of 5 new species from the Makran coast: Persia

Boulenger, G.A. (1901) 019
Ann.Mag.nat.Hist.(7), 7:261-3
On some deep-sea fishes collected by Mr. F.W.Townsend in the Sea of Oman

Boulanger, G.A. (1902) 020
J.Bombay nat.Hist.Soc., 14:372-4
On some deep-sea fishes collected by F.W.Townsend in the Sea of Oman

Boultbee, G.E. (1926-1927) 021
J.Bombay nat.Hist.Soc., 31:228 p.
A record pirao (Caranx jarra) caught in the Persian Gulf

Brasseur-Kermadec (1954) 022
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Golfe Persique

Brenner, R. (1873) 023
Petermanns geogr.Mitt.,
Perlen und Fischhandel des Persischen Golfes

Bruns, E. (1958) 024
Berlin, Veb.Deutscher Verlag der Wissenschafter, 420 p.
Ozeanologie. Bd. 1. Einführung in die Ozeanologie; Ozeanographie

In chapter 19, section 22 the Persian Gulf is described on pages 312-4.

Bychowsky, B.E. (1949) 025
Trudy zool.Inst., Leningr., 8:870-8
Monogenetic trematodes of some fishes of Iran, collected by E.N.Pawlowski

Carter, H.J. (1859) 026
J.Bombay Brch R.Asiat.Soc., 28:41-8
Report on geological specimens from the Persian Gulf, collected by C.G.Constable

Carter, H.J. (1860) 027
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Report on geological specimens from the Persian Gulf, collected by C.G.Constable

Churchill, S. (1877) 028
Fld Stream, 9:249 p.
Persian fisheries

Dallas, W.L. (1899) 029
Indian met.Mem., 6:9-88
Investigation into the mean temperature, humidity and vapour tension conditions of the Arabian Sea and Persian Gulf

Dawson, C.E. (1958) 030
J.Parasit., 44:420-1
Observations on the infection of the shrimp Penaeus semisulcatus, by Epipenaeon elegans in the Persian Gulf

Dawson, C.E. (1964) 031
Copeia, 1964(1):229 p.
Records of Cephalochordata from the western Persian Gulf

Defant, A. (1961) 032
London, Pergamon Press, 598 p.
Physical oceanography. Vol. 2:407-17
Tides in the Mediterranean and adjacent seas, observations and discussions

Chapter 12, Sections 10,11 deal with the tides of the Red Sea and the Persian Gulf. Data on harmonic constants, observed and theoretical values of M_2 tides, distribution of amplitude for the co-oscillating and independent tides are tabulated and discussed in detail.

de Filippi, F. (1862) 033
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Nuove o poco note specie di animali vertebrate raccolte in un viaggio in Persia nell'estate dell'anno 1862

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In Note di un viaggio in Persia nel 1862, Milano, pp.357-60

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A summary of temperature-salinity characteristics of the Persian Gulf

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Descriptive oceanography of Kuwait Harbor

A descriptive analysis of the oceanography of Kuwait Harbor based on observations taken between November 1948 and May 1949. A bathymetric chart of the area completes the article.

Egenaes, W.N. (1965) 037
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10 vessels built in Norway were ordered by the Kuwait National Fishing Company. The trawlers will use the Gulf of Mexico double-rig fishing method in their fishing in the Persian Gulf and the Arabian Sea.

FAO/UN 038
Rep.FAO/ETAP, (676):36 p.
Report to the Government of Iran on the exploratory fishing survey in the Bandar Abbas region (1955/56). Based on the work of H.Fibiger and K.Frederiksen, FAO master fishermen

Fauvel, P. (1909) 039
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Sur un térébellien nouveau du Golfe Persique

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Annélides polychètes du Golfe Persique recueillis par N.Bogoyavlensky

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Galletly, A. (1893) 045
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The pearl molluscs of the Persian Gulf

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Leiden, Brill, 1944, 682 p.
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Gossard, E.E. (1957) 050
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Air-sea refractive index difference charts for the Mediterranean-southeast Asia areas

DWB - Data for 350,000 ship observations (on punched cards at Asheville, N.C.) were used to calculate frequencies (for 5° squares) in terms of median difference standard deviation of sea-air refractive index (Bs-Bb) for March-May, June-Aug., Aug.-Oct. and Nov. - Jan. for the Persian Gulf, Bay of Bengal, etc. The data are presented on charts and the theory and techniques explained.

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Nautilus, 68:46-9
Some marine shells from the Persian Gulf

Harrison, R. (1911) 052
Proc.zool.Soc.Lond., 1911:1018-44
Some Madreporaria from the Persian Gulf

Hedgpeth, J.W. (1957) 053
New York, The Geological Society of America, 129 p.
Treatise on marine ecology and paleoecology, Vol. 1: Ecology

Gunnar Thorson (in his article: Bottom Communities, chapter 17, p. 501) states that in "large fjord areas and in gulfs with narrow mouths the productivity as well as the weight of the standing crop will gradually decline with increase in distance from the open sea". This decline seems to be especially pronounced in areas where the mouth is provided with a sill or "threshold". This may be demonstrated on the basis of personal observations from the East Greenland fjords and the Persian Gulf - a high-arctic sea area and the warmest sea area of our globe. The tendency of both waters is the same, and the smaller weights per square unit in the Persian Gulf as compared with those from Scoresby Sound are most probably compensated for by quicker growth rate and much heavier predation in the tropical area.

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The holothurians of the Iranian Gulf

Heegaard, P. (1947) 055
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A new lernaeopodid (ISOBRANCHIA appendiculata nov.gen.nov.sp.) from the Iranian Gulf

Holly, M. (1929) 056
Zool.Anz., Leipzig, 85:183-5
Beiträge zur Kenntnis der Fischfauna Persiens

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Drei neue Fischformen aus Persien

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Jl R.Army med.Cps, 97:79-85
The sharks of Ahwaz

Jenkins, J.T. (1910) 059
Rec.Indian Mus., 5:123-40
Notes on fish from India and Persia with description of new species

Job, T.J. (1960) 060
Rome, FAO, T360
Travel report. On a visit to Iran from 18 September to 5 October 1960

The fishing industry has been active for centuries in the considerably productive area of the Persian Gulf. The fishing season extends from August to May with a peak from November to March. The chief species of commercial importance are sardines,

Stolephorus Pomadasys, Lutjanus, Caranx, Epinephelus, pomfret, sole mullet, tuna, kingfish and recently, shrimp. Apart from about 8,000 traditional fishermen operating in the shallow banks, organized attempts to improve exploitation of the Gulf have been made, but they met with only limited success. Includes an historical review of the established organizations and companies in the Gulf. No proper governmental administration dealing with fishery development has yet been formed.

Kanazawa, R.H. (1955) 061
Am.Docum., 4612:43-6
Fishes of Iraq and Iran collected by Henry Field

King, C.A.M. (1962) 062
London, Edward Arnold (Publishers) Ltd., p.93
Oceanography for geographers

On p. 93, the influence of Red Sea and Persian Gulf temperature-salinity on those of the Indian Ocean, is described in brief.

Kramp, P.L. (1956) 063
Vidensk.Meddr dansk naturh.Foren., 118:235-42
Medusae of the Iranian Gulf

Kreeton, H. (1938) 064
Mar.Obsr, 5:52-3
Local winds, Indian Ocean. 2. Red Sea coast and Persian Gulf

Lachner, E.A. (1951) 065
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Studies of certain apogonid fishes from Indo-Pacific, with descriptions of three new species

Lachner, E.A. (1954) 066
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A revision of the goatfish genus Upeneus with descriptions of two new species

Lane, W.H. (1917) 067
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The game fishes of the Persian Gulf

Lane, W.H. (1918) 068
J.Bombay nat.Hist.Soc., 25:121-35
The game fishes of the Persian Gulf

Melvill, J.C. (1897) 069
Mem.Proc.Manchr lit.phil.Soc., 41(7):26 p.
Descriptions of thirty-four species of marine Mollusca from the Arabian Sea, Persian Gulf and Gulf of Oman

Melvill, J.C. (1898) 070
Mem.Proc.Manchr lit.phil.Soc., 42(4):40 p.
Further investigations into the molluscan fauna of the Arabian Sea, Persian Gulf and Gulf of Oman, with descriptions of forty species

Melvill, J.C. (1899) 071
Ann.Mag.nat.Hist.(7), 4:81-101
Notes on the Mollusca of the Arabian Sea, Persian Gulf and Gulf of Oman, mostly dredged by Mr. F.W. Townsend with descriptions of 27 species

Melvill, J.C. (1903) 072
J.Malac., 10:27-31
A revision of the Columbellidae of the Persian Gulf and north Arabian Sea, with a description of C.calliope

Melvill, J.C. (1904) 073
Proc.malac.Soc.Lond., 6:51-60
Descriptions of 23 new species of Gastropoda from the Persian Gulf, Gulf of Oman, and Arabian Sea dredged by F.W.Townsend in 1903

Melvill, J.C. (1904) 074
Proc.malac.Soc.Lond., 6:159-69
Descriptions of 28 species of Gastropoda from the Persian Gulf, Gulf of Oman and Arabian Sea dredged by F.W.Townsend, 1900-1904

Melvill, J.C. (1904) 075
Proc.malac.Soc.Lond., 11:79-85
Descriptions of 12 new species of Gastropoda from the Persian Gulf, Gulf of Oman and North Arabian Sea, collected by F.W. Townsend, 1902-1904

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A revision of the species of Cyclostrematidae and Liotiidae occuring in the Persian Gulf and north Arabian Sea

Melvill, J.C. (1906) 077
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Proc.malac.Soc.Lond., 7:69-80
Descriptions of 31 Gastropoda and one scaphopod from the Persian Gulf and Gulf of Oman, dredged by Mr. F.W.Townsend, 1902-1904

Melvill, J.C. (1909) 079
Ann.Mag.nat.Hist.(8), 6:17 p.
Descriptions of 29 species of marine Mollusca from the Persian Gulf, Gulf of Oman and north Arabian Sea, mostly collected by F.W.Townsend

Melvill, J.C. (1910) 080
Proc.malac.Soc.Lond., 9:171-207
A revision of the species of the family Pyramidellidae occurring in the Persian Gulf, Gulf of Oman and north Arabian Sea as exemplified mostly in the collections made by Mr. F.W. Townsend, 1893-1900, with descriptions of new species

Melvill, J.C. (1912) 081
Proc.zool.Soc.Lond., 10:240-54
Descriptions of 33 new species of Gastropoda from the Persian Gulf, Gulf of Oman and north Arabian Sea

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Melvill, J.C. (1918) 083
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Description of 34 species of marine Mollusca from the Persian Gulf, Gulf of Oman and Arabian Sea, collected by F.W.Townsend

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J.Malac., 11:81-5
Descriptions of 12 new species and one variety of marine Gastropoda from the Persian Gulf, Gulf of Oman and Arabian Sea collected by F.W.Townsend, 1902-1906

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Proc.malac.Soc.Lond., 18:93-117
The marine Mollusca of the Persian Gulf, Gulf of Oman and north Arabian Sea, as evidenced mainly through the collections of Captain F.W.Townsend, 1893-1914 - Addenda, corrigenda and emendanda

Melvill, J.C. and R. Standen (1901) 086
Proc.zool.Soc.Lond., 1901:327-460
The Mollusca of the Persian Gulf, Gulf of Oman and Arabian Sea, etc.

Melvill, J.C. and R. Standen (1903) 087
Ann.Mag.nat.Hist.(7), 4:461-3
Descriptions of 68 new Gastropoda from the Persian Gulf, Gulf of Oman and north Arabian Sea, dredged by Mr. F.W.Townsend of the Indo-European Telegraph Service 1901-1903

Melvill, J.C. and R. Standen (1904) 088
J.Conch.,Lond., 11:117-22
Cypraeidae of the Persian Gulf, Gulf of Oman and north Arabian Sea, as exhibited in Mr.F.W.Townsend's collections, 1893-1904

Melvill, J.C. and R. Standen (1906) 089
Proc.zool.Soc.Lond., 1906:783-848
The Mollusca of the Persian Gulf, Gulf of Oman and Arabian Sea as evidenced mainly through the collections of F.W.Townsend, 1893-1906; with descriptions of new species

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J.Conch., Lond., 15:31-7
A revision of the species of Terebra occurring in the Persian Gulf, Gulf of Oman and Arabian Sea

Morgan, R. (1956) 091
In World sea fisheries, London, Methuen and Co. Ltd., pp. 181-2

Oman has an important pearl fishery of which the main grounds are within the Persian Gulf...The Red Sea and the

Persian Gulf have unimportant fisheries, save for the pearling industry of the latter...Asian countries concerned with these seas have low production. The estimate of Iran's annual catches shown by FAO is approximately 30,000 tons

Murray, J. (1898) 092
Geogrl J., 12(2):113-37
On the annual range of temperature in the surface waters of the ocean, and its relation to other oceanographic phenomena

Temperature variations taking place in surface waters are considered in relation to physical and biological phenomena. The author describes the preparation of a map which he has devised. This map shows the annual temperature range in surface waters within every 2° square of the water surface of the globe. In the northern Indian Ocean a belt ranging from 58° to 96° F extends from Africa to the Red Sea and the Persian Gulf.

Nichols, J.T. (1948) 093
Copeia, 1948:300
On Caranx nigripinnis from the Persian Gulf

Nikolsky, A.M. (1897) 094
Ezheg.zool.Muz.imp.Akad.Nauk, 2:35-43
Les reptiles amphibiens et poissons recueillis par N.Zarovdny dans la Perse orientale

Nikolsky, A.M. (1899) 095
Ezheg.zool.Muz.imp.Akad.Nauk, 4:33-43
Les reptiles amphibiens et poissons recueillis par N.Zarovdny dans la Perse orientale

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Ezheg.zool.Muz.imp.Akad.Nauk, 5:375-417
Les reptiles amphibiens et poissons recueillis par N.Zarovdny dans la Perse orientale

Nobili, G. (1906) 097
Bull.sci.Fr.Belg., 40:13-159
Mission J.Bonnier et Ch.Pérez (Golfe Persique, 1901). Crustacés Décapodes et Stomatopodes

Norman, J.R. (1939) 098
Scient.Rep.Murray Exped., 7:1-116
Fishes from the Gulf of Oman, Gulf of Aden and Arabian Sea

A systematic review of a collection comprising about 2,700 specimens which are divided into 276 species, 28 of which are believed to be new to science.

Perez, C. (1903) 099
P.-v.Séanc.Soc.Sci.phys.nat.Bordeaux, 35:109-10
Sur un isopode parasite d'une sacculine

Perez, C. (1918) 100
C.r.Séanc.Soc.Biol., 83:1027-29
Le complexe éthologique du spondyle sur les bancs perliers du Golfe Persique

Pesta, O. (1912) 101
Ann.naturh.(Mus.)Hofmus., Wien, 26:39-62
Wissenschaftliche Ergebnisse der Expedition nach Mesopotamien

Pouchet, G. (1892) 102
C.r.Séanc.Soc.Biol.(9), 4:422-3
Note sur la balcine observée par Néarque

Pouchet, G. (1892) 103
C.r.hebd.Séanc.Acad.Sci., Paris, 114:1077-9
Sur un échouement de cétacé de la lle olympiade

Priem, F. (1908) 104
In Annales publiés sous la direction de Jaques de Morgan, Paris, 1-25 p.
Poissons fossiles de Perse. Délegations en Perse

Privett, D.W. (1959) 105
Q.Jl R.met.Soc., 85:424-8
Monthly charts of evaporation from the N.Indian Ocean (including Red Sea and the Persian Gulf)

Riley, J.P. and G. Skirrow (Eds.) (1965) 106
London, Academic Press, 508 p.
Chemical oceanography, Vol. 2

In Chapter 18, Section 6, 228 p., entitled: Temperatures and rhythms in marine evaporite deposition, H. Borchert mentions that in the Red Sea and in parts of the Persian Gulf, temperatures as high as 35°C are attained. He assumes that during the geological past, when conditions were different, the temperatures would have exceeded 40°C or perhaps 50°C. The reasons for the change are given in the article.

Rostami, I. (1950) 107
Revue Fac.Méd.Univ.Téhéran, 1:68-98
Utilité d'expansion de la pêche de certains poissons sur les côtes septentrionales de l'Iran

Rostami, I. (1960) 108
In Proceedings of the World Scientific Meeting on the Biology of Sardines and Related Species, held in Rome, 14-21 September 1959. Rome, Italy. Vol. 3. Stock and area papers. Experience papers. Methodological papers. pp. 1213-20
Biology and fishing of sardines off southern Iran

Roux and Noguier (1961) 109
Paris, Ministère des Finances et des Affaires Economiques. Rapport de Mission, Pt.3: Le Golfe Persique

Reference works on the Persian Gulf are few and the "Danish Scientific Investigations in Iran", published after the Blegvad Mission in 1937 is the most important. Includes natural conditions - fish fauna, climate, temperature, salinity and sediments. Also deals with present state of the fisheries industry and the contract concerning frozen fish made with a Japanese fishing society. Discusses requirements and conditions of fisheries development, fish marketing, pelagic and bottom fishes, a feasibility study on fishing bases and fish processing units.

Sarudny, N.A. (1904) 110
Mitt.K.russ.geogr.Ges., St.Petersb., 36(3)
Ueber die Reptilien, Amphibien und Fische von Ost-Persien: herpetologische und ichthyologische Resultate einer Excursion nach Ost-Persien im Jahare 1898

Schott, G. (1908) 111
Annln Hydrogr.Berl., 36(7):296-9
Der Salzgehalt des Persischen Golfes und der angrenzenden Gewässer

Observations of sea surface waters, during 1907, in the Persian Gulf along the southern coast of Arabia, are described. The evaluation of data proved that the general and abnormal increase of salinity in the surface waters of the western Arabian Sea is caused by inflow from the Red Sea and from the Persian Gulf. The observed difference in the salinity of the Persian Gulf between summer and winter, namely the decrease during May and June, coincides with the high waters of the Tigris - Euphrates Rivers.

Schott, G. (1918) 112
Mitt.geogr.Ges.Hamb., 31:113 p.
Geographie des Persischen Golfes

Schott, G. (1918) 113
Annln Hydrogr.Berl., 46:46 p.
Ozeanographie und Klimatologie des Persichen Golfes und des Golfes von Oman

Schott, R.B. (1948) 114
Fishery Leafl.Fish Wildl.Serv.U.S., (304)Part 2:6-8
Edible fish in the Persian Gulf

Sewell, R.B.S. (1934) 115
Nature, Lond., 133(3351):86-89
The John Murray Expedition to the Arabian Sea. Part 1. Physico-chemical examination of areas including Gulf of Oman

Sewell, R.B.S. (1934) 116
Nature, Lond., 133(3366):669-72
The John Murray Expedition to the Arabian Sea. Part 2. Hydrographic results of areas including Gulf of Oman

Sewell, R.B.S. (1934) 117
Nature, Lond., 134(3392):658-88
The John Murray Expedition to the Arabian Sea. Part 3. Final traverse

Shahar, E. (1960) 118
Fish.Bull., Haifa, 3(4):13-6
The shrimp fishery in the Persian Gulf (In Hebrew)

Includes a short review on the various methods of fishing.

Smith, E.A. (1878) 119
Proc.zool.Soc.Lond., 1877:719-22
Descriptions of 5 new shells from the Island of Formosa and the Persian Gulf, and notes upon a few known species

Stubbings, H.G. (1961) 120
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Short descriptions of species of Acasta, Balanus and Chthamalus

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Sverdrup, H.U., M.W. Johnson and R.H. Fleming (1942) 122
Prentice-Hall, Inc., New York, 1087 p.
The oceans. Their physics, chemistry, and general biology

The most outstanding comprehensive textbook of oceanography embracing all phases of the science of the sea. An exceptional number of fine illustrations, and lengthy bibl., world wide in scope, accompany each chapter. Water masses, currents, and oxygen distribution of the Indian Ocean and its adjacent seas (Red Sea, Gulf of Aden, Persian Gulf, etc.) are discussed on pp. 686-698.

Svetovidov, A.N. (1949) 123
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Fish of Iran collected by E.N.Pavlovski

Syyab, A.S. (1956) 124
Diss.Abstr., 16:1665
Cretacious Ostracoda from the Persian Gulf area

Thorson, G. (1940) 125
Dan.scient.Invest.Iran, 2:159-238
Studies on the egg masses and larval development of Gastropoda from the Iranian Gulf

Tortonese, E. (1934) 126
Boll.Mus.Anat.comp.Torino(3), 44(49):153-72
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Townsend, F.W. (1926-1927) 127
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Notes on shell collecting in the northern parts of the Arabian Sea, including the Gulf of Oman and the Persian Gulf in the years 1890-1914

Tressler, D.K. and J.McW. Lemon (1951) 128
Marine products of commerce; their acquisition, handling, biological aspects, and the science and technology of their preparation and preservation.
New York, Reinhold, 762 p.
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The richest oriental pearl fisheries in the world are those of the Persian Gulf, p. 108.
Production by countries, pp. 195-202.

U.S.Hydrographic Office (1931) 129
Washington, Gov.Print.Off., 357 p.
Sailing directions for the Persian Gulf including the Gulf of Oman and the Mekran coast, 2nd edition.
Supplement 1950 published as Publ.U.S.hydrogr.Off., (158):27 p

The description of a region in Chapter I. covers winds, climate, temperature, barometric pressure, tides and currents, etc. In Appendix II, meteorological tables show observational data for different numbers of years used in the British Admiralty's Persian Gulf Pilot survey.

U.K.Meteorological Office (1940-1951) 130
London, H.M.S.O., Vol. 2
Weather in the Indian Ocean to latitude 30°S and longitude 95°E including the Red Sea and Persian Gulf

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Amsterdam, Elsevier, 1964, 464 p.
Deltaic and shallow marine deposits

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Wesenburg-Lund, E. (1949) 132
Dan.scient.Invest.Iran, 4:347-400
Polychaetes of the Iranian Gulf

Wilson, A.T. (1926-1927) 133
J.Bombay nat.Hist.Soc., 31-638-54
A summary of scientific research in the Persian Gulf

Worthington, E.B. (1946) 134
Middle East science. Chapter 10: Marine fisheries-Red Sea; Gulf of Aden; Persian Gulf.
London, H.M.S.O., pp. 117-21

Main points: Red Sea, Gulf of Suez, Gulf of Aqaba, the Sudan, Eritrea and Yemen. Gulf of Aden: the Aden Protectorate, Somaliland. Persian Gulf: the resources, shore fishery trawling and open-water, pearl fishery.

Wright, R.E. (1918) 135
J.Bombay nat.Hist.Soc., 25:512 p.
Phosphorescence in the Persian Gulf

ANON. (1922) 136
Naut.Mag., 107:393-8
"Autolycus", the weather of the Persian Gulf

ANON. (1929) 137
Fishg News, Aberd., 17(851):33
The pearl fishing industry in Persian Gulf

ANON. (1956) 138
Mar.Obsr, 26(172):77-80
Phosphorescent wheels in Persian Gulf and Gulf of Oman

Several revolving phosphorescent wheels in the Persian Gulf and Gulf of Oman are described and illustrated.

ANON. (1957) 139
Comml Fish.Rev., 19(2):45-6
Japanese-Iranian fishing and marketing enterprise in Persian Gulf and Gulf of Oman

Complementary to a project for the rehabilitation of the government cannery at Bandar Abbas, initiated about two years ago by the Plan Organization and the U.S. Operations Mission in Iran. Expected to begin deep-sea commercial operations. Authorized to exploit fish and other edible marine life in both Gulfs. Only one vessel, the TATSUTA MARU, is now available for the operations of the new company. The company has not the monopoly of fishing, marketing or any other associated fields.

ANON. (1957) 140
Mar.Obsr, 27(176):90-4
Phosphorescent wheels in Persian Gulf and phosphorescence in French West African waters and Persian Gulf and Macassar Straits and sudden uprising of fish and phosphorescence in the Arabian Sea

Accounts of a number of observations, with editorial comments in some cases.

ANON. (1959) 141
Comml Fish.Rev., 21(1):66-7
Fishery trends, November 1958. Shrimp fishery to expand

New cannery machinery tested by the U.S. Overseas Mission to Iran, for the fish cannery at Bandar Abbas. Japanese company and Swiss-registered fishing company operate in both gulfs-Persian and Oman

ANON. (1959) 142
Comml Fish.Rev., 21(3):73
Proposes 12-mile territorial sea off coast

A bill amending the 1934 Six Mile Law introduced in the Iranian Senate, to establish a 12-mile territorial sea off the Iranian coast.

ANON. (1959) 143
Comml Fish.Rev., 21(7):68-9
Shrimp fishery in the Persian Gulf expanding

4 trawlers outfitted by a New York City importing company are sent to help develop the Iranian shrimp industry in Persian Gulf. In addition, a mothership MOYON I and 3 more trawlers, are expected at Khorramashar.

ANON. (1959) 144
Comml Fish.Rev., 21(8):44-5
Iran: Development of shrimp fishery in Persian Gulf

Expansion of Iranian company's shrimp fishing activities from 2 shrimp fishing vessels, 1 mothership, and a 300-ton cold-storage ware house, to an addition of 7 trawlers and 1 mothership.

ANON. (1959) 145
Comml Fish.Rev., 21(12):83
Fisheries trends, September 1959

Iranian - U.S. shrimp fishing Co. has 10 shrimp vessels operating in Bandar Abbas area. Japanese boats withdrawn from the Gulf for disagreement in working problems.

ANON. (1960) 146
Comml Fish.Rev., 22(5):51
Japanese-Iranian fishery enterprise among foreign investments approved

ANON. (1960) 147
Comml Fish.Rev., 22(6):54 p.
U.S. firm starts fishing for shrimp

Enlarging the shrimp fishery in Kuwait by an American firm, up to now carried out by small craft using primitive methods.

ANON. (1960) 148
Comml Fish.Rev., 22(8):52 p.
Shrimp trawlers at Karachi for repairs

Seven 60-foot Iranian shrimp trawlers purchased in the U.S.A., hauled out at Karachi for repairs.

ANON. (1960) 149
Comml Fish.Rev., 22(9):57 p.
Development of offshore fisheries under consideration

Development in the fishing industry of Kuwait. Introducing modern equipment and fishing gear to the country with the permission of the Ruler, which means recognition of the need for development.

ANON. (1960) 150
Comml Fish.Rev., 22(11):67 p.
Shrimp fishing fleet in Persian Gulf to be increased

2 Israeli vessels to participate in the Iranian Gulf of Persia shrimp fishery.

ANON. (1960) 151
New Scient., 8(215):1682
Persian Gulf rivals the Channel for navigation

Note on establishment of Decca navigation chain in this area, used also for fixing location in geophysical prospection.

ANON. (1962) 152
Comml Fish.Rev., 24(8):80
Status of fishing industry

Kuwait. One fishery company carries out shrimp fishing, freezing shrimp aboard the vessel, and transfers the frozen shrimp to vessels going to the U.S.A. Some popular fish varieties on the Kuwait market also brought in. Arrangements made to begin in 1962 exporting fish by air to neighbouring countries, especially Lebanon.

ANON. (1962) 153
Nature, Lond., 194(4832):919
Geophysics and oceanology in the Indian Ocean and Persian Gulf

Surveys of H.M.S. OWEN and H.M.S. DALRYMPLE - 2 survey ships from the U.K. - in the Indian Ocean and Persian Gulf.

ANON. (1963) 154
Comml Fish.Rev., 25(2):70
New company to be formed to operate in Persian Gulf

The formation of an Iranian corporation to exploit fisheries in the Persian Gulf approved by Shilat-Iran

ANON. (1963) 155
Comml Fish.Rev., 25(7):79
Fishing rights in the Persian Gulf

Shilat Iran-National Iranian Fisheries Co. concluded an agreement opening the Persian Gulf to the fishermen of Pakistan.

ANON. (1964) 156
Comml Fish.Rev., 26(1):53 p.
Status of fishing industry, 1963

Discusses the present situation in Iran's fisheries, cannery, market, export etc.

ANON. (1964) 157
Comml Fish.Rev., 26(3):37 p.
Fisheries developments in Bay of Bengal, Arabian Sea and Persian Gulf proposed

Urgent assistance to develop fishing in the above areas will be given by the FAO to Pakistan, Iraq, Kuwait, Saudi Arabia and other countries in the area. The projects would include oceanographic and biological surveys and exploration of fishery resources, economic and marketing surveys of fish and fish products, etc.

ANON. (1964) 158
Comml Fish.Rev., 26(8):66 p.
Fishery trends and developments

A U.S. loan for the development of the Port of Bandar Abbas. The renewal of interest in a joint venture with U.S. fishing firm. Such ventures have not been successful in the past.

ANON. (1964) 159
Comml Fish.Rev., 26(12):109-10
Commercial fishery in southern area to be developed by British firm

Commercial fishing along a section of the Trucial Coast (the southern area of the Persian Gulf) is to be developed by a British fishing company from Grimsby in collaboration with interests at Beirut, Lebanon.

ANON. (1965) 160
Alieia, 1965(218):87 p.
Shrimp fishing at the Persian Gulf. Greek trawlers ready for sailing

Preparations for the sailing of a Greek flotilla to the Persian Gulf for shrimp fishing, are well advanced. The whole expedition which contains 4 shrimp trawlers is organized by the Atlantic Fishing Co. Evangelistria (Piraeus).

ANON. (1965) 161
Alieia, 1965(222):256 p.
First shipment of frozen shrimps from the Persian Gulf

First cargo of frozen shrimps from the Persian Gulf is expected in Piraeus in December on board EVANGELISTRIA V, fishing in Saudi Arabian waters.

ANON. (1965) 162
Comml Fish.Rev., 27(3):87
Anglo-Arabian shrimp fishing venture in Persian Gulf

2 trawlers were sent to develop a shrimp fishing operation in the Persian Gulf by a British firm cooperating with interests in Beirut.

ANON. (1965) 163
Comml Fish.Rev., 27(8):87 p.
Shrimp vessels delivered by Norwegian shipyard

A Norwegian shipyard at Bergen, May, 1965, consigns 8 90-foot shrimp trawlers and a 178-foot mothership to the Kuwait National Fishing Co.

ANON. (1965) 164
Comml Fish.Rev., 27(11):74 p.
New Anglo-Arabian shrimp fishing venture in Middle East

A new company to develop a shrimp fishing and processing industry in the Middle East was formed by a British food company and a Jordanian businessman. The location - Bahrain, the lower Persian Gulf.
Planning to export frozen shrimp to the U.S.A.

ANON. (1965) 165
Comml Fish.Rev., 27(12):78 p.
British-Arabian shrimp fishing venture to be managed by U.S.experts

Appointments of personnel in a British firm formed to develop a shrimp fishery in the Persian Gulf. 7 shrimp vessels planned at the beginning. 1 mothership to come from Florida. All vessels expected to be in full operation by late 1965.

ANON. (1965) 166
Comml Fish.Rev., 27(12):81-2
Expansion of South Atlantic and Indian Ocean fisheries base on the Black Sea

The new administration at Sevastopol on the Black Sea participates in the Soviet fisheries expansion into the South Atlantic and Indian Oceans.

ANON. (1965) 167
Fish.News int., 4(4):482
Fish to supersede petroleum in Kuwait

Kuwait now owns the biggest and most up-to-date fishing company in the Middle East. This concerns the Gulf Fishing Co. A new company came into existence last year, named the National Fishing Co. Strong competition is expected to develop between the two companies.

ANON. (1965) 168
France Pêche, 1965(100):19 p.
Une flottille de chalutiers grecs en exploitation dans le Golfe Persique

The freezer-trawler heading a small trawler-fleet has gone to sea towards the Persian Gulf. The fleet is able to operate on shrimp fishing grounds due to an authorization by the Iranian Government.

ANON. (1965) 169
France Pêche, 1965(100):64 p.
Chalutiers étrangers. Norvège: Une flotte complète de pêche destinée à Kuwait

The biggest delivery of fishing craft ever made by Norway was effected this year in Bergen when the Ankerlokken Verft A/S shipyards consigned a complete fishing fleet to Kuwait.

ANON. (1965) 170
Ocean Fish., 1(3):21 p.
Norway build for Kuwait shrimping

10 vessels for Kuwait shrimping built in Norway sail from Bergen and pass the Suez 19 June 1967

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